



Shenzhen Yajingxin Electron Co.,Ltd

Customer	
Production Name	SMD CRYSTAL SEAM 3.2*1.5
Customer P/N	N/A
P/N	GM32768KRDCZ2X
Revision	A
Print Date	2025-08-18

Drawn	Checked	Approved
		



RoHS Compliant

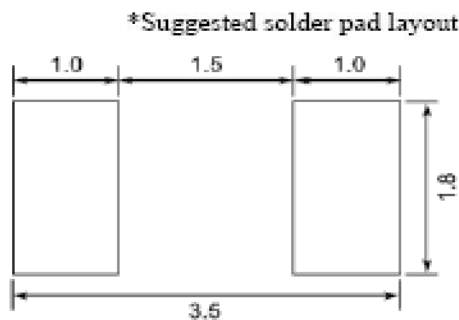
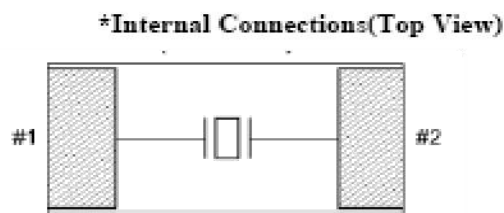
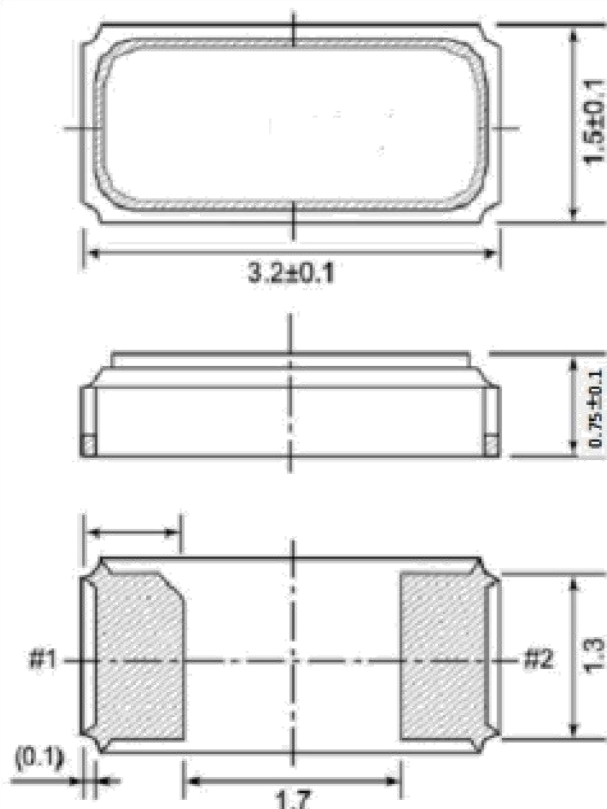


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● ELECTRICAL PARAMETERS

谐振器产品技术指标		Min	Max	Units
1.Holder Type(型号规格)		SEAM 3.2*1.5		
2. Frequency (标称频率)		32.768000		KHz
3.Load Capacitance (CL) (负载电容)		6		pF
4.Drive Level (激励功率)		1.000		uW
5.Equivalent Resistance (谐振电阻)		≤70		KΩ
6.Frequency Tolerance at 25°C (调整频差)		-20	20	ppm
7.Temperature Coefficient (二次温度系数)		【-0.034±0.01】ppm/°C		
8.Insulation Resistance (at DC 100V) (绝缘电阻)		500MΩ Min @100V		MΩ
9.Operating Temperature Range (工作温度范围)		-40	85	°C
10. Storage Temperature Range (储存温度范围)		-55	125	°C
11. Aging (老化率)		± 3		ppm/year
12. DLD2	N/A		N/A	Ω
13. FLD2			N/A	ppm
14. RLD2			N/A	Ω
15. SPDB	N/A		N/A	db
16. Other(其它)		N/A		

OUTLINE DIMENSIONS(UNIT:mm) 外形尺寸 (单位: mm)





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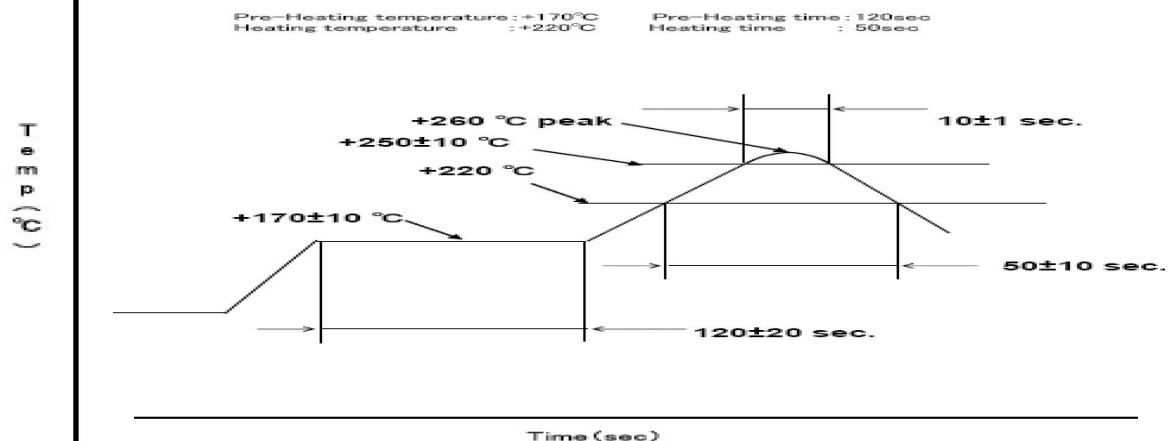
● SUGGESTED REFLOW PROFILE (回流焊曲线图)

Total time:200sec.Max. (总时间: 200秒 最大)

Solder melting point:220℃ (熔点220℃)

Profiles Feature (特性)	Pb-Free Assembly
Average Ramp-up Rate(Ts max to Tp)平均升温速度	3℃/second Max
Preheat ■ Temperature Min (Ts min) 最低温度 ■ Temperature Max (Ts max) 最高温度 ■ Time (ts min to ts max) 从最低到最高时间	125℃ 200℃ (60~180) seconds
Time maintained above ■ Temperature(T1) 温度 ■ Time(tp) 时间	217℃ (60~150) seconds
Peak/Classification Temperature(Tp) 最高点温度	260℃
Time within 5℃ of actual Peak Temperature(tp) 高温维持时间	(20~40) seconds
Ramp-down rate 降温速度	6℃/second max
Time 25℃ to Peak Temperature 从25℃到最高温度的时间	8 minutes max
Suggest reflow times 建议 reflow次数	3 Times max

[9] Reflow Profile



Note:

(1) The temperature used herein means the temperature on the circuit board.

(2) Reflow is permitted 2 times.

- PACKING (包装) 3Kpcs/REEL

Carrier tape

- (1) Conforms with EIA-481
- (2) Tolerance : ± 0.2

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- (2) Tolerance : ± 0.2

